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(54) VARIABLE CAPACITY LINK APPARATUS AND VARIABLE CAPACITY LINK SETTING METHOD

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a variable capacity link apparatus and a variable capacity link setting method in which network resources are efficiently utilized.

SOLUTION: In the variable capacity link apparatus having a main signal system and a control system, the main signal system has an upper layer signal accommodation part for accommodating an upper layer signal, a lower layer path termination part, and a signal switching part for dividing the upper layer signal to lower layer signals in a lower layer path group having a capacity that is determined according to an amount of traffic of the upper layer signal and for delivering the lower layer signals to the lower layer path termination part, and the control system has a traffic amount measuring part for measuring the amount of traffic of the upper layer signal accommodation part and determining whether the capacity of the lower layer path group is to be increased or decreased according to the amount of traffic and a signal switching management part for controlling the signal switching part according to the result of the determination in the traffic amount measurement part.

本発明の第1の実施形態における可変容量リンク装置の構成を示す図

